



07-21-03

GP/2171

APPROVED

U.S. DEPARTMENT OF COMMERCE
PATENT & TRADEMARK OFFICE

Express Mail No. EV 272907872 US

Deposited on: July 18, 2003

PTO/SB/21 (06-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/082,034
Filing Date	02/21/2002
First Named Inventor	William H. Hildebrand
Group Art Unit	2171
Examiner Name	Unknown
Attorney Docket Number	6680.040

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

- ☒ Fee Transmittal Form
☐ Fee Attached
☐ Amendment / Reply
☐ After Final
☐ Affidavits/declaration(s)
☐ Extension of Time Request
☐ Express Abandonment Request
☐ Information Disclosure Statement
☐ Certified Copy of Priority Document(s)
☐ Response to Missing Parts/
Incomplete Application
☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers
(for an Application)
☐ Drawing(s)
☐ Licensing-related Papers
☐ Petition
☐ Petition to Convert to a
Provisional Application
☐ Power of Attorney, Revocation
Change of Correspondence
Address
☐ Terminal Disclaimer
☐ Request for Refund
☐ CD, Number of CD(s) _____

- ☐ After Allowance Communication
to Group
☐ Appeal Communication to Board
of Appeals and Interferences
☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)
☐ Proprietary Information
☐ Status Letter
☒ Other Enclosure(s) (please
identify below):

See remarks below:

Remarks

1. Transmittal Form (1 page); and
2. Fee Transmittal (1 page);
3. Information Disclosure Statement (5 pages);
4. Cited Material;
5. Form PTO/SB/08A (formerly Form 1449) (1 page);
6. Postcard.

RECEIVED

JUL 24 2003

Technology Center 2100

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	DUNLAP, CODDING & ROGERS, P.C., P.O. Box 16370	Customer Number 30589
	Attn: Kathryn L. Hester, Ph.D., Reg. No. 46,768, Oklahoma City, Oklahoma 73113	
Signature		
Date	7-18-03	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail or U.S. Express
mail no. EV 272907872 US in an envelope addressed to the address below on this date: July 18, 2003

Typed or printed name Kathryn L. Hester, Ph.D.
Signature

Date 7-18-03

SEND TO: MAIL STOP - IDS
COMMISSIONER FOR PATENTS
P.O. Box 1450, Alexandria, VA 22313-1450

Express Mail No.: EV 272907872 US
Date Deposited: 07/18/2003

APPROVED

U.S. Patent and Trademark Office

Approved for use through 10/31/2002. OMB 0851-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PTO/SB/17 (10-02)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0

Complete if Known

Application Number 10/082.034
Filing Date 02/21/2002
First Named Inventor William H. Hildebrand
Examiner Name Unknown
Art Unit 2171
Attorney Docket No. 6680.040

RECEIVED

JUL 24 2003

Technology Center 2100

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

Deposit Account:

Deposit Account Number 04-1700
Deposit Account Name Dunlap, Codding & Rogers, P.C.
Customer No. 30589

The Commissioner is authorized to: (check all that apply)

- ☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$) 0			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	**	X	\$0
Multiple Dependent	**	X	\$0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

*or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1051 130	2051 65	Surcharge - late filing fee or oath
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet
1053 130	1053 130	Non-English specification
1812 2,520	1812 2,520	For filing a request for ex parte reexamination
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action
1251 110	2251 55	Extension for reply within first month
1252 410	2252 205	Extension for reply within second month
1253 930	2253 465	Extension for reply within third month
1254 1,450	2254 725	Extension for reply within fourth month
1255 1,970	2255 985	Extension for reply within fifth month
1401 320	2401 160	Notice of Appeal
1402 320	2402 160	Filing a brief in support of an appeal
1403 280	2403 140	Request for oral hearing
1451 1,510	2451 1,510	Petition to institute a public use proceeding
1452 110	2452 55	Petition to revive - unavoidable
1453 1,300	2453 650	Petition to revive - unintentional
1501 1,300	2501 650	Utility issue fee (or reissue)
1502 470	2502 235	Design issue fee
1503 630	2503 315	Plant issue fee
1480 130	1480 130	Petitions to the Commissioner
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)
1806 180	1806 180	Submission of Information Disclosure Stmt
8021 40	8021 40	Recording each patent assignment per property (times number of properties)
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(e))
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))
1801 750	2801 375	Request for Continued Examination (RCE)
1802 900	1802 900	Request for expedited examination of a design application

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

SUBMITTED BY

Name (Print/Type) Kathryn L. Hesler, Ph.D.

Registration No. (Attorney/Agent)

46,768

(Complete if applicable)

Telephone (405) 607-8600

Signature

Kathryn L. Hesler

Date 07/18/2003

Mail Stop - IDS

Commissioner for Patents

SEND TO:

P.O. Box 1450, Alexandria, VA 22313-1450



EXPRESS MAIL NO.:
Deposited on:

EV 272907872 US
JULY 18, 2003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William H. Hildebrand) Atty. Dkt. No.: 6680.040
Serial No.: 10/082,034)
Filed: February 21, 2002)
For: SOLUBLE HLA LIGAND DATABASE)
UTILIZING PREDICTIVE ALGORITHMS)
AND METHODS OF MAKING AND)
USING SAME)

RECEIVED

JUL 24 2003

Technology Center 2100

Mail Stop - IDS
Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This
Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. [X] Preliminary Statements
2. [X] Form PTO-1449 (Modified)
3. [X] Copies of Listed Information Items Accompanying this Statement
4. [X] Identification of Person(s) Making this Information Disclosure Statement

RECEIVED
JUL 2 - 2003
TECH CENTER 1800/2300

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. Form PTO-1449 (Modified)

☒ A completed Form 1449 (Modified) is attached hereto.

Section 3. Copies of Listed Information Items Accompanying this Statement

Legible copies of all items listed in Form PTO-1449 (Modified) accompany this information disclosure statement.

Section 4. Identification of Person(s) Making this INFORMATION DISCLOSURE STATEMENT

The person making this statement is the attorney/agent who signs below on the basis of the information:

- ☐ supplied by the inventor(s)
- ☐ supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)).

[X] in the attorney/agent's file

Respectfully submitted,



Kathryn L. Hester, Ph.D., Reg. No. 46,768
DUNLAP, CODDING & ROGERS, P.C.
P.O. Box 16370, Customer No. 30589
Oklahoma City, Oklahoma 73113
Telephone: 405/607-8600
Facsimile: 405/607-8686

Agent for Applicant

Express Mail: EV 272907872 US
Date Deposited: JULY 18, 2003

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)



Page 1 of 2

RECEIVED
JUL 2 - 2003
TECH CENTER 1600/2908

Complete if Known	
Application Number	10/082,034
Filing Date	02/21/2002
First Named Inventor	William H. Hildebrand
Group Art Unit	2171
Examiner Name	Unknown
Attorney Docket Number	6680.040

U. S. PATENT DOCUMENTS

EXAM INIT.	Cite No. 1	U.S. PATENT NUMBER Number	Kind Code2 (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
						RECEIVED
						JUL 24 2003
						Technology Center 2100

FOREIGN PATENT DOCUMENTS

EXAM INIT.	Cite No. 1	Foreign Patent Document	Name of Patentee or Applicant of Cited document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Kind Code5 Office 3	Number 4 (if known)		

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

EXAM INIT.	AA	RAMMENSEE HANS-GEORG ET AL: "SYFPEITHI: Database for MHC ligands and peptide motifs" IMMUNOGENETICS, SPRINGER VERLAG, BERLIN, DE, vol. 50, no. 3-4, November 1999 (1999-11), pages 213-219, XP002183663 ISSN: 0093-1177 page 214; figure 1 tables 3, 4 page 213; column 2, line 25 - line 29
---------------	----	--

EXAM INIT.		<p align="center">OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS</p> <p>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</p>
	AB	<p>BRUSIC VLADIMIR ET AL: "MHCPEP, a database of MHC-binding peptides: Update 1997" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 26, no. 1, January 1, 1998 (1998-01-07) pages 368-371, XP002204283 ISSN: 0305-1048 figure 1; table 2</p>
	AC	<p>C SCHÖNBACH ET AL: "FIMM, a database of functional molecular immunology" NUCLEIC ACIDS RESEARCH, vol. 28, no. 1, January 2000 (2000-01), pages 222-224, XP002242984 Oxford, UK figure 1; table 1</p>
* EXAMINER		DATE CONSIDERED
<small>EXAMINER: Initial if citation considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant. **Place of Publication refers to name of publication in which the information was published.</small>		